Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Reference pages 158 & 170

Division Yelahanka

Bills received No

YNK-D Date No 123
Date 10-11-2020

Sub division Yelahanka Old Town

ABSTRACT SUBMISSION
SBR No: 35/20-21
Date: 11/10/2020

Sheduled Docket No

Sub-divisional / Divisional — Cash book vr No / Date

Name of work(as per sanctioned estimate) :-

Head of account P-3749

Work Code:002-20-000035

NAME OF WORK :Construction of RCC drain at Kenchenahalli And Nagenahalli Layout ISRO Layout Horahalli and Surrounding areas in Chowadeshwari ward No-02 of Yelahanka Sub division.

Name of contractor and full address :- **M/s Techinical Manager (West), KRIDL, Bangalore, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam circle Bangalore-560010**

Reference to agreement No :- EE/YNK.D/AG/169/2019-2020

Estimated cost : 200.00

Work order No :BBMP/EE/YNK.D/W.O/181/2019-2020, dt:04/11/2019

Certified that the measurments were taken by me on 20/8/2020 and recorded on pages 494801 to 494810 of measurment book No 4949 and the work is satisfactorily executed by the contractor.

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Signature of Contractor

Asst. Engineer

Certified that the measurments were taken by me on 20/8/2020 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Asst. Executive Engineer
Yelahanka Sub division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within
2) Deduct amount to be held in reserve being-----percent Rs----------%--------
3) Balance---
4) Deduct payments
   a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted
   b) Cost of payments/stores or other materials supplied now made recovery of
   Amount paid on this bill by cheque/cash
   Total
5) Balance being unpaid value of work done held in reserve
6) Deduct cash of advance made on divisional/sub divisional cash book.
7) Net amount due to or from contractor.

Total	19554983=00
CGST	174599=00
SGST	174599=00
FSD	977750=00
IT	391099=00
LC	195549=00
CBF	19555=00
LR	98199=00
TD	2031350=00
CH.	17523633=00

UN ADJUSTED ITEMS

1) Advance to contractor for materials to site(as detailed within)
2) Value of unadjustment materials supplied
3) TOTAL AMOUNT UN-ADJUSTED

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Rupees Rs ----------(in words)----------
Received in the Executive Engineer's office
(Payment as per memorandum
(or final settlement of all demand)
Witness
1)
2)

Asst Executive Engineer
Yelahanka Yeshwanthpura Sub Division
KRIDL BBMP Bangalore

Cash Rs.
Date

Initials of officer making payment

Receipt Stamp

Audited & Admitted for Rs. 19554983=00
one Crore Ninty five Lakh fifty four thousand nine hundred eighty Three
17523633=00 Cheque
and Rs. 2031350=00 by adjustment

Accts Officer
Yelahanka Sub Division
BBMP

Executive Engineer
Yelahanka

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of RCC Drains at Kenchenahalli and Nagenahalli Layout ISRO Layout Horahalli and Surrounding Areas in Chowadeshwari ward No. 02, of Yelahanka sub Division.

ABSTRACT

Sl No	Description of Work	Unit	As per Schedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Removing And Resetting of Footpath Slabs.	Sqm	381.60	208.82	79685.71			381.60	208.82	79686.00	381.60	79686.00
2	KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications.	Cum	1688.33	211.79	357571.41	–	–	1688.33	211.79	357572.00	1688.33	357572.00
3	mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications.	Cum	287.93	5505.64	1585238.93	–	–	287.93	5505.64	1585239.00	287.93	1585239.00
4	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	T	39.39	72326.98	2848959.74	–	–	39.39	72326.98	2848960.00	39.39	2848960.00
5	Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications No. 1500, 1700, 2200	Cum	649.63	7070.20	4593014.03	–	–	649.63	7070.20	4593015.00	649.63	4593015.00

Material Test House Pvt. Ltd.

6	Supplying and Fixing precast reinforced concrete slab 100mm thick of mix M20 using 20mm and down size graded granite metal using reinforced 10mm dia steel at 150mm C/C both ways cost of transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm	1215.00	2337.00	2839455.00	_	_	1215.00	2337.00	2839455.00	1215.00	2839455.00
7	providing and laying precast drain slabs of thick 250mm thick of mix M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finishing surface on both sides etc., completed as per drawing and direction of engineer in charge of work.	Sqm	32.85	5418.00	177981.30	_	_	32.85	5418.00	177982.00	32.85	177982.00
8	providing and fixing Pre cast solid concrete kerb stones of size 450x200x400 mm made of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., completed.	Nos	2112.00	477.00	1007424.00	_	_	2112.00	477.00	1007424.00	2112.00	1007424.00
9	KSRRB 800-1. Painting two coats after filling the surface with synthentic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour completed as per specifications.	Sqm	475.00	84.80	40280.00	_	_	435.20	84.80	36905.00	435.20	36905.00
10	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granlar base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 KG/Sqm using mechanical means complete as per specifications and as per directions of the engineer in charge of the work.	Sqm	6415.00	33.92	217596.80	_	_	6415.00	33.92	217597.00	6415.00	217597.00
11	KSRRB500-2. Cleaning the existing block topped surface with Sqm brooms , soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatment including cost of all materials, labour,HOM complete as per specifications, Clause 501 MORTH V revision	Sqm	6415.00	5.30	33999.50	_	_	6415.00	5.30	34000.00	6415.00	34000.00

12	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, lavel and allignment, rolling with smooth wheeled, vibratory and tandom rollers to achieve the desired compaction as per MORTH table 500-10 Complete in all respects compete as per specifications MORTH specification No. 507. using 100/120 TPH capacity HMP with sensor paver Gr-ll (50mm to 75mm) with 4.5 % VG-30 Bitumen.	Cum	48.11	7620.34	366614.56	–	–	48.11	7620.34	366615.00	48.11	366615.00
13	KSRRB M500-10. Providing and applying tack coat using 80/100 grade sqm bitumin(VGIO) in boiler fitted with the spray set distributor at the rate of 0.25KG/Sqm on the existing prepared bituminous (prime surface) clean with the mechanical broom, complete as per specifications. CLAUSE 503 of MORTH V revision.	Sqm	6415.00	12.72	81598.80	–	–	6415.00	12.72	81599.00	6415.00	81599.00
14	providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminious binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and o.43% of plastomeric thermoplastic(waste plastic) crushed aggregates of specified grading pre mixxed with bituminous binder and filler, transporting the hot mix to the work site, laying with a paver finisher to the require grade, level and allignment and rolling with the smooth wheeled, vibratory and tandom rollers to achieve the desired compaction in all respect complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.	Sqm	256.60	8699.42	2232271.17	–	–	256.60	8699.42	2232272.00	256.60	2232272.00
15	KSRRB M800-13. Road marking with hot applied thermoplastic compound with reflectrising glass beads on bituminous/ concrete surface. providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectrising glass beads at 250gms/ Sqm area, thickness of 2.5mm is exclusive of surfsce applied glass beads as per IRC: 35 standards specified the finished surface to be levell uniform and free from streaks and holes complete as per speciationd MORTH specification No.803	Nos	408.50	454.74	185761.29	–	–	403.88	454.74	183661.00	403.88	183661.00

16	KSRRB M800-35. Supply and installation of molded shank raised pavment markers made up of poly carbonate and ABS (acrylonitrile Butadiene styrene) molded body and reflective pannels with microprismatic lens capable of providing total internal reflection of the light entering the lense face and shall support load of 16000 KG tested in accordance to specifications of catagory A of MORTH circular No. RW/NH/33023/10-97 - DO III Dt 11.06.1997. the height width and length shall not exceed 50mm, 100mm and 102mm and with minimum reflective area of 13Sqcm on each side and the slope to the base shall be 35o the strength of detachment of the intergated cylindrical shanks (of diameter not less than 19mm and height not less than 30mm) from the body is to be a minimum value of 500KG. fixing will be by drilling hole on the road for the shanks to go inside, with out nails and using Epoxy resin based adhesive as per manufacuter recommendations and complete as directed by the engineer	Nos	604.00	357.22	215760.88	–	–	604.00	357.22	215761.00	604.00	215761.00

17	KSRRB M800-35. Supply and installation of molded shank raised pavment markers made up of poly carbonate and ABS (acrylonitrile Butadiene styrene) molded body and reflective pannels with microprismatic lens capable of providing total internal reflection of the light entering the lense face and shall support load of 16000 KG tested in accordance to specifications of catagory A of MORTH circular No. RW/NH/33023/10-97 - DO III Dt 11.06.1997. the height width and length shall not exceed 50mm, 100mm and 102mm and with minimum reflective area of 13Sqcm on each side and the slope to the base shall be 35o the strength of detachment of the intergated cylindrical shanks (of diameter not less than 19mm and height not less than 30mm) from the body is to be a minimum value of 500KG. fixing will be by drilling hole on the road for the shanks to go inside, with out nails and using Epoxy resin based adhesive as per manufacuter recommendations and complete as directed by the engineer	Nos	2.88	1963.12	5653.79	_	_	0.00	1963.12	0.00	0.00	0.00
18	Direction and place identification signs with size more than 0.9 size board : providing and eracting direction and place identification retro - reflectosied sign as per IRC: 67 made of high intensity grade sheeting wide Clause 801.3, fixed over alluminium sheeting, 2mm thick with area not exceiding 0.9Sqm supported on a mild steel single angle iron post 75*75*6mm, 2 Nos firmly fixed to the ground by means of properly designed foundation with a M15 cement concrete 45*45*60Cm, 60Cm below groung level as per approved drawing	Sqm	3.24	7557.80	24487.27	_	_	0.00	7557.80	0.00	0.00	0.00
	Total				**16893354.17**					**16857743.00**		**16857743.00**
	12% GST				**2027203.00**					**2022930.00**		**2022930.00**
	4% KRIDL				**675735.00**					**674310.00**		**674310.00**
	Grand Total				**19596293.00**					**19554983.00**		**19554983.00**

CERTIFICATE

1 Certified that the work done is

2 There is no departmental issues by BBMP

Asst Engineer
Yelahanka / Yeshwanthpura Sub Division,
KRIDL, BBMP, Bangalore

Contractor

Material Test House / Lab
KRIDL * Bangalore *
MTC